International Fuel Cells
A United Technologies Company

CA0862

Hyundai Santa Fe FCEV Fast Facts

- The Hyundai Santa Fe FCEV is powered by International Fuel Cells' 75 kilowatt ambient-pressure Proton Exchange Membrane fuel cell.
- IFC's ambient pressure design makes the fuel cell system quieter, more fuel and energy efficient and easier to package in a car than other fuel cell designs.
- A total of four fuel cell vehicles have been built. One is in South Korea undergoing tests at Hyundai. Two are stationed in California at the facilities of the California Fuel Cell Partnership. One is based at United Technologies Research Center and is used by IFC for test and development purposes.
- The first vehicle ran in October, 2000 -- only six months after IFC signed the agreement with Hyundai to develop the car.
- The Santa Fe is the world's first fuel cell sports utility vehicle.
- The vehicle runs on compressed hydrogen. Because fuel cells create energy without combustion, the car has zero emissions, meaning it is pollution free.

Hyundai Santa Fe FCEV Specifications	
Weight	3,572 lb. / 1,620 kg
Fuel cell power	75 kilowatts at ambient temperature
Motor	Three-phase AC / 65 kilowatts
Top Speed	77 mph / 124 km/h
Mileage	Gasoline equivalent of 50 to 60 mpg
Fuel	Compressed hydrogen
Fuel tank	19 gallons / 72 liters
Emissions	Water vapor
Operation pressure	Ambient (one atmosphere)
Voltage	160-270 Volts DC